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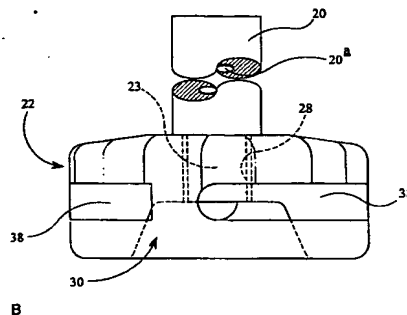
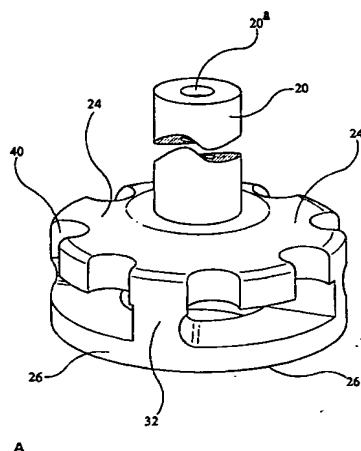
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(54) Title: ROTARY STIRRING DEVICE FOR TREATING MOLTEN METAL



(57) Abstract: The invention relates to a rotary device for dispersing a gas in a molten metal. The device comprises a hollow shaft (20) at one end of which is attached a rotor (22). The rotor (22) has a roof (24) and a base (26) which are spaced apart and connected by a plurality of vanes (32). A compartment (34) is defined between each adjacent pair of vanes (32) and the roof (24) and the base (26), and each compartment (34) has an inlet (36) and first and second outlets (38, 40). A flow path is defined through the shaft (20) into the inlets (36) of the compartments (34) and out of the first and second outlets (38, 40). Each first outlet (38) is disposed radially outwardly of the respective inlet (36) and arranged to disperse gas laterally of the rotor (22) in use, and each second outlet (40) is disposed in the roof (24) of the rotor (22) and arranged to disperse gas upwardly from the rotor (22) in use.

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